

## Site and Measurement (Metadata) Information for Maryland (BOM 56207), NSW Historical Weather Data Records

Location and Ownership: in very northern NSW very close to the QLD border (SW of Brisbane), just off the New England Highway (according to Google maps). Maryland was part of the Marsh family group of properties. (*Note: locations nearby – Warwick (QLD), Acacia Creek (NSW), Tenterfield (NSW), Thulimbah (NSW), Canning Downs (a QLD State Heritage Property)*)

Latitude and Longitude: 28° 54 S, 151° 99 E

Elevation: 870 m

BOM Records: Daily Rainfall from 1868 to present.

Years of Weather Records: Aug 1, 1868 to December 1897

Weather Measurements (Column Headers in Spreadsheet): BOM Station Code (56207); Year; Month; Day of Month; Date; Thermometer; Max Temp, Min Temp, Wind Direction, Rain, Cloud Cover (10ths), Monthly Rain and Remarks. Columns alternate between original Imperial readings and translation to metric readings, where appropriate.

Overall Description of Weather Records: *Note: All data have been transformed to metric except monthly rain totals)*

1. From Aug 1, 1868 to Aug 31, 1872: Temperature °C (0900??); wind direction (descriptive, i.e. SE, 8 compass directions ; rainfall (mm), 0 recorded if no rain; scattered general weather remarks (*Note: i.e, windy, cold, thunderstorms, heavy rain, hail, fog, frost etc*); total rainfall at end of each month and days rain fell; farming activity comments (many of these are hard to read and highlighted in yellow).
2. From Sept 1, 1872 to Dec 31, 1897: Maximum and Minimum Temperature recorded instead of Temperature; otherwise as “1” above (*Note: this is more in line with NSW Weather Records measurements*). Maximum temperatures for Sept to Dec 1872 have been deleted due to highly inconsistent measurement readings.
3. Jan 3, 1873, Cloud Cover added to recordings each day; blank may mean “clear”, but also could be missing records.
4. From 17 Nov 1884, no further cloud cover is recorded until 1 December 1884
5. Max T measurements missing Feb 8, 1890 to March 8, 1980 (possibly a damaged thermometer)
6. Cloud Cover missing record for June 1892.
7. Max Temp missing record March 1, 1893 to June 14, 1893 (*Note same comment at in “5”*).
8. **KEY CLUE: From 28 Dec 1893 to 31 1 1893 all data are missing except rainfall. The observer states that he asked Mr Russell (the NSW State Astronomer & Meteorologist) for records already sent to Sydney. This establishes that the measurements are according to procedures provided by Russell (*Note: Especially since Max Min Temp measurements started*)**
9. What information is missing?
  - a. The actual location on the property where the measurements were made
  - b. The physical conditions surrounding “a”, especially any interferences

- c. The meteorological instruments used
- d. Whether the instruments were housed in some sort of protective box
- e. Where the rainfall measurements were taken and whether the rain gauge was baffled

#### General Overall Comments

Now that I have had a good detailed look through the Maryland data, it seems to have only a few gaps (see above), especially since Max Min Temperature measurements started. It is unfortunate that there are no records available after 1897.

This summary sheet will be updated as new information becomes available.

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